

**Special Topics: Oxidative Stress
(KINE 8970-101) Course Syllabus**

Instructor: John C Quindry, PhD

Office: 282 Kinesiology Bld, Cardioprotection Lab 255 Kinesiology Bld

Phone: 844-1421

E-mail: quindryjc@auburn.edu

Office Hours: M-F 7:30 - 9:00

Credit: 3 Semester hours

Syllabus Prepared: 5-14-2013

Class Schedule: TBA

Class will meet based on the tentative schedule listed below.

Course Description:

This course will focus on the current state of knowledge related to exercise induced/muscular contraction related oxidative stress.

Course Objectives:

Students are expected to demonstrate competency in the following areas:

- 1) Gain a broad understanding of the oxidative stress as it relates to exercise and muscular contractions, historical context, applications, and health implications.
- 2) Gain a fundamental understanding of the key research findings related to oxidative stress and exercise in recent years.
- 3) Gain a fundamental understanding of the research/research groups responsible for conducting the key findings related to exercise and oxidative stress in recent years
- 4) Gain a broad understanding of the techniques used to quantify oxidative stress.
- 5) To give 2 class presentations on research topics based out of preeminent research labs undertaking exercise/muscular contraction-type oxidative stress research.
- 6) To build a PDF library, to be shared via Canvas, related to exercise and oxidative stress research.

Required Text/Readings:

Assigned PDFs will be posted on Canvas.

Student Evaluation:

- A. Attendance 49%
- B. Presentation-1 25%
- C. Presentation-2 25%
- D. Course syllabus acceptance: 1% of class grade

This syllabus serves as a contract to identify what is required for a given course grade. Each student is required to either 1) formally accept the terms outlined in this syllabus, or 2) engage in open discussion with the instructor about matters of clarification/alteration, followed by formal acceptance of the revised syllabus. Formal acceptance of the syllabus is performed within the Canvas quiz section and counts toward 1% of the class grade. All students must complete the syllabus acceptance on or before **May 21, 2013**.

Grading Scale:

A: 90% - 100%
B: 89.99% - 80.0%
C: 79.99% - 70.0%
D: 69.99% - 60.0%
F: < 60.00%

Attendance Policy: You are required to attend class. Unexcused absences will result in a 5% penalty from the final course grade (1 absence = -5% from 100% highest possible class grade).

Late Assignment Policy: Assigned work will be accepted late with penalty. All assigned work is due on the stated date during the class period. Assignments turned in at any time after the scheduled class period are considered late. Assignments received late will be penalized 5% grade penalty (on a 100% scale) per assignment if turned in after class time on the due date. Assignments receive a 10% per day penalty (on a 100% scale) thereafter.

Academic Integrity Policy: The Auburn University student academic honesty code (Title XII) found in the *Tiger Cub* applies to this class. All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee.

Cell Phone policy: It is requested that cell phones be turned off during class. You will not be prohibited from answering cell phone calls during class time, though you will be required to leave class to answer a call. Further, students that choose to take cell phone calls during class time will not be permitted to return for the remainder of that class period as a courtesy to other students.

Texting in class will not be tolerated. Students observed texting will be removed from class. Cell phones and other handheld devices may not be used or visible during exams. If you need a calculator during an exam, you must bring a "low-tech" device that is not capable of text messaging. Students choosing to have a texting device visible during an exam will receive a 0 grade for that exam.

Disability Accommodations: Students who need special accommodations in class, as provided for by the American Disabilities Act, should arrange a confidential meeting with the instructor during office hours the first week of classes - or as soon as possible if accommodations are needed immediately. You must bring a copy of your Accommodation Memo and an Instructor Verification Form to the meeting. If you do not have these forms but need accommodations, make an appointment with The Program for Students with Disabilities, 1244 Halley Center, 844.2096 (V/TT) or email: scw0005@auburn.edu